

REMARKS

This Amendment is responsive to the Office Action dated April 9, 2004. Claims 1-11 were pending in the application. In the Office Action, claims 1-11 were rejected. In this Amendment, claims 1-11 have been amended, and new claims 12-15 have been added. Claims 1-15 thus remain for consideration.

Applicants submit that claims 1-15 are in condition for allowance and request reconsideration and withdrawal of the rejections in light of the following remarks.

§103 Rejections

Claims 1-4, 9 and 10 were rejected under 35 U.S.C. §103(a) as being unpatentable over Horvat (US Patent No. 4,856,085).

Claims 5 and 11 were rejected under 35 U.S.C. §103(a) as being unpatentable over Horvat in view of Roshmann et al. (US Patent No. 5,305,347).

Claim 6 was rejected under 35 U.S.C. §103(a) as being unpatentable over Horvat in view of Dwyer (US Patent No. 5,970,400).

Claim 7 was rejected under 35 U.S.C. §103(a) as being unpatentable over Horvat in view of Nash (US Patent No. 6,317,589).

Claim 8 was rejected under 35 U.S.C. §103(a) as being unpatentable over Horvat in view of Carpe et al. (US Patent No. 4,509,206).

Applicants submit that independent claims 1 and 9 are patentable over Horvat, Roshmann, Dwyer and Nash. In particular, Applicants note that Horvat fails to teach or suggest that a wanted center frequency of the wanted signal part is detuned from the center frequency of the IF filter. Moreover, Horvat fails to teach or suggest that an input signal is

shifted into an IF range such that an unwanted signal part adjacent to a wanted signal part lies outside the fixed IF bandwidth of the IF filter. Rather, Horvat teaches tuning the center of the wanted signal exactly to the center of the IF filter.

Regarding the Examiner's rejection of claims 2-4 and 10, the prior art does not teach or suggest a readjustment of a detuned IF signal to a predetermined center frequency. Indeed, the passages cited by the Examiner in this respect merely emphasize the aforementioned tuning of the center of the wanted signal exactly to the center of the IF filter. Furthermore, Applicants do not recognize Horvat's alleged inherent disclosure of digital baseband processing.

Claims 2-8 depend on claim 1. Since claim 1 is believed to be patentable over the cited references, claims 2-8 are believed to be patentable over the cited references on the basis of their dependency on claim 1.

Claims 10 and 11 depend on claim 9. Since claim 9 is believed to be patentable over the cited references, claims 10 and 11 are believed to be patentable over the cited references on the basis of their dependency on claim 9.

New Claims

New claims 12-15 are presented for examination, and early and favorable consideration thereof is earnestly solicited.

Applicants respectfully submit that all of the claims now pending in the application are in condition for allowance, which action is earnestly solicited.

It is submitted that these claims, as originally presented, are patentably distinct over the prior art cited by the Examiner, and that these claims were in full compliance with the

requirements of 35 U.S.C. §112. Changes to these claims, as presented herein, are not made for the purpose of patentability within the meaning of 35 U.S.C. §§101, 102, 103 or 112. Rather, these changes are made simply for clarification and to round out the scope of protection to which Applicants are entitled.

Statements appearing above with respect to the disclosures in the cited references represent the present opinions of the Applicants' undersigned attorney and, in the event that the Examiner disagrees with any such opinions, it is respectfully requested that the Examiner specifically indicate those portions of the respective reference providing the basis for a contrary view.


If any issues remain, or if the Examiner has any further suggestions, he/she is invited to call the undersigned at the telephone number provided below.

The Examiner is hereby authorized to charge any insufficient fees or credit any overpayment associated with the above-identified application to Deposit Account No. 50-0320.

The Examiner's consideration of this matter is gratefully acknowledged.

Respectfully submitted,

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